WINSTAR Display

OLED SPECIFICATION

Model No:

WEA12832W#SP3N00000-FC

Represented by:

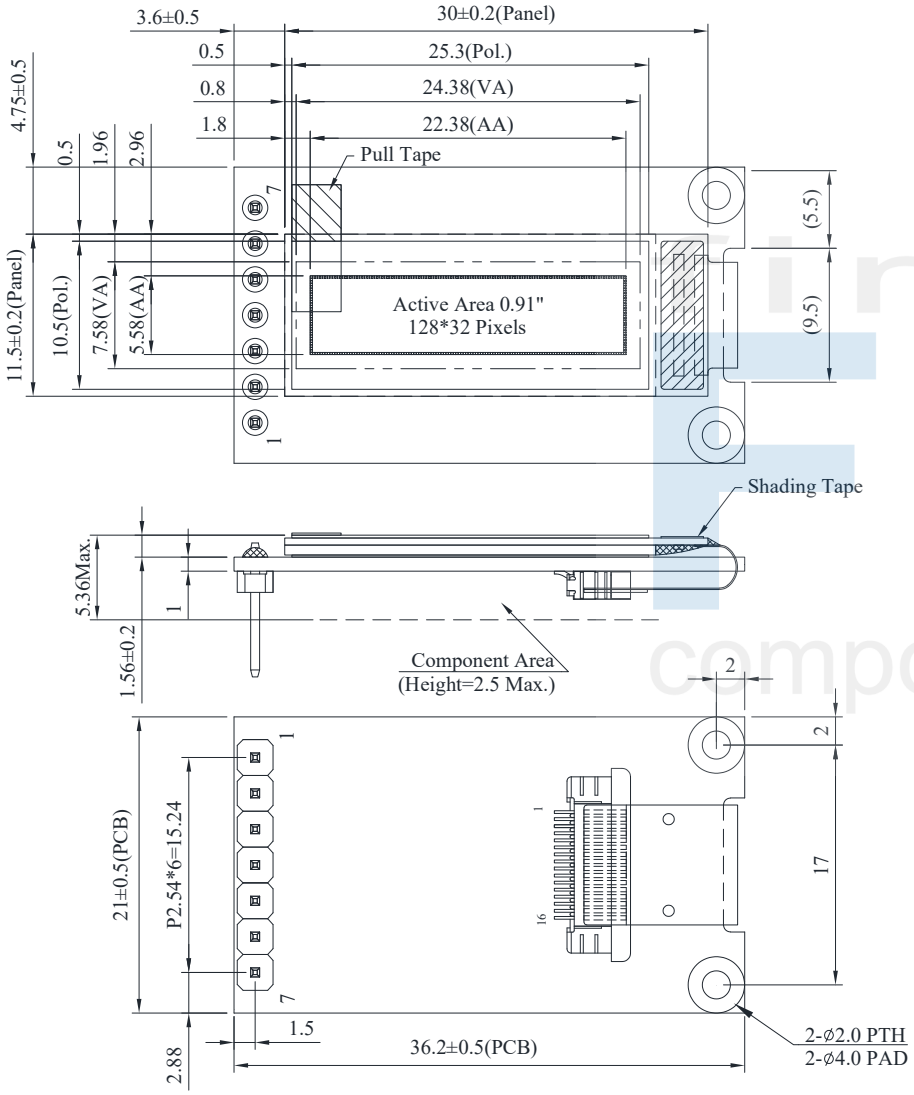
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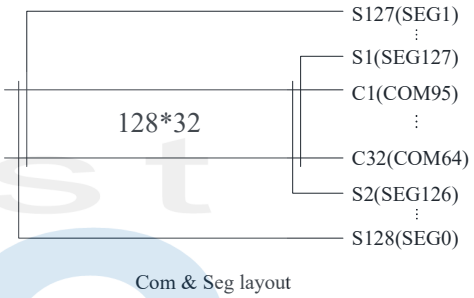
General Specification

Item	Dimension	Unit
Dot Matrix	128 x 32 Dots	—
Module dimension	36.2 × 21.0 × 5.36MAX	mm
Active Area	22.38 × 5.58	mm
Pixel Size	0.155 × 0.155	mm
Pixel Pitch	0.175 × 0.175	mm
Display Mode	Passive Matrix	
Display Color	White	
Drive Duty	1/32 Duty	
Gray Scale	4 bits	
IC	CH1120	
Interface	4-Wire SPI	
Size	0.91 inch	

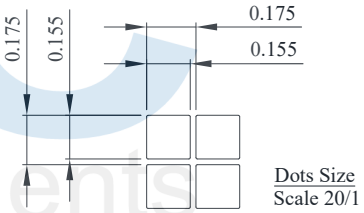
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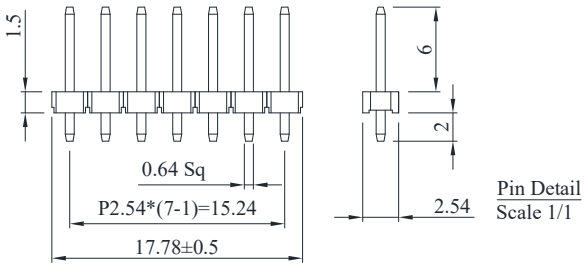
Contour Drawing & Block Diagram





PIN	SYMBOL
1	GND
2	VCC
3	D0
4	D1
5	RES#
6	D/C#
7	CS#





The non-specified tolerance of dimension is ±0.3mm.

Interface Pin Function

No.	Symbol	Function
1	GND	GND.
2	VCC	Power supply pin for core logic operation
3	D0	The serial clock input pad.
4	D1	The serial data input pad.
5	RES#	This is a reset signal input pad. When RES is set to “L”, the settings are initialized. The reset operation is performed by the RES signal level.
6	D/C#	This is the Data/Command control pad that determines whether the data bits are data or a command.
7	CS#	This pad is the chip select input.

Absolute Maximum Ratings

Parameter	Symbol	Min	Max	Unit
Supply Voltage for Logic	VCC	-0.3	3.5	V
Operating Temperature	TOP	-40	+80	°C
Storage Temperature	TSTG	-40	+85	°C

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Electrical Characteristics

DC Electrical Characteristics

Item	Symbol	Condition	Min	Typ	Max	Unit
Supply Voltage for Logic	VCC	—	2.8	3.0	3.3	V
Input High Volt.	VIH	—	0.8×VCC	—	VCC	V
Input Low Volt.	VIL	—	VSS	—	0.2×VCC	V
Output High Volt.	VOH	—	0.8×VCC	—	VCC	V
Output Low Volt.	VOL	—	VSS	—	0.2×VCC	V
Display 50% Pixel On	ICC	VCC=3V	—	10.5	16.0	mA

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